



ArenaVision LED gen3.5

BVP418 1720/757 HGB S2 T35 OUT PSDMX

ArenaVision LED gen3.5, Floodlight for televised sports, 1010 W, 151360 lm, 5700 K, CRI70, Symmetrical, IP66

The ArenaVision LED floodlighting system is an innovative LED pitch-lighting solution supporting the latest TV broadcasting standards. Designed exclusively for sports and multi-purpose venues, ArenaVision LED offers outstanding light quality, effective thermal management, and long lifetime. When combined with control applications such as the InteractSports lighting management system, ArenaVision LED can simplify the delivery of the right illumination by scheduling or through real-time adjustments and can be used to create customized light shows before, during and after the main event. To ensure optimized use for both indoor and outdoor applications, the floodlight range includes two single piece pressure die cast housing versions, hosting 2 and 3 LED engines respectively. These versions also function with an external driver box – separate for use at a distance from the floodlight (BV version), or pre-fixed onto the mounting bracket of the floodlight (HGB version). This external driver box ensures ease of installation and lower initial cost.

Product data

General Information		Serviceability class	
Lamp family code	LED1720 [LED module 172000 lm]	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts	
Number of gear units	1 unit		
Driver included	Yes		
Light source engine type	LED		
Service tag	Yes	Warranty period	5 years
Lighting Technology	LED	Sustainability rating	Signify Circle
Value ladder	Specification		

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Light Technical	
Upward light output ratio	0
Luminous Flux	151,360 lm
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color rendering index (CRI)	70
Light source color	757 cool white
Luminaire light beam spread	2° x 10°
Optic type outdoor	Symmetrical
Effective projected area	0.373 m²

Operating and Electrical	
Input Voltage	230-400 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Consumption	1,010 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	1
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
Total harmonic distortion	16 %

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DMX interface
Constant light output	No

Mechanical and Housing	
Housing Material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	538 mm
Overall width	695 mm
Overall height	612 mm
Dimensions (Height x Width x Depth)	612 x 695 x 538 mm

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Optical cover type	Polycarbonate bowl/cover clear
Net Weight (Piece)	29.000 kg

Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +55 °C
FIFA Quality Programme for Floodlights	FIFA Quality Pro

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.329, 0.342) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM<5

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

Product Data	
Order product name	BVP418 1720/757 HGB S2 T35 OUT PSDMX
Full product name	BVP418 1720/757 HGB S2 T35 OUT PSDMX
Full product code	872016955306400
Order code	912300060418
Material Nr. (12NC)	912300060418
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169553064
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169553064
Product family code	BVP418 [ARENAVISION LED GEN3.5 SMALL]

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Dimensional drawing

